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ABBREVIATIONS AND SYMBOLS

used in the text of abstracts

M.M. .. Mineralogical Magazine : M.A. .. Mineralogical Abstracts : A.M. .. American Mineralogist

CHEMICAL & PHYSICAL-CHEMICAL

cation-exchange-capacity	c.e.c.
differential thermal analysis	d.t.a.
equivalent U_3O_8	eU_3O_8
ethylenediaminetetra-acetic acid ..	EDTA
heat of formation (absolute temperature subscript)	ΔH_f
ionic potential, e.g.	pH
insoluble residue	insol. res.
isotopes, e.g.	^{40}A , ^{40}K
loss on ignition	ign. loss
milliequivalent	me.
microgramme	μg
million-years	m.y.
not determined	n.d.
not found	nt. fd.
not present	nil
parts per million	p.p.m.
strength of solution, normal	N
— — — molar	M
substances in ionic state	
anions, e.g.	Cl^- , SO_4^{2-}
cations, e.g.	K^+ , Fe^{3+}
valency, e.g.	Cl^I , Fe^{II} , Fe^{III}

CRYSTALLOGRAPHIC & STRUCTURAL

Ångstrom unit (10^{-8} cm)	Å
crystal axes	a , b , c
— face indices	(hkl)
— form indices	{hkl}
— zone indices	[hkl]
indices of X-ray diffractions	hkl
intensity,	I
— relative	I/I_0
interplanar spacing	d
mica structural polymorphs	$1M_1$, $2M_1$
Siegbahn units	kX
space group. These words will be written in full	
unit cell, formula units	Z
— — repeat distances	a , b , c
— — reciprocal lattice lengths of edges	a^* , b^* , c^*
— — interaxial angles	
direct lattice	α , β , γ
— — — reciprocal lattice.. ..	α^* , β^* , γ^*

OPTICAL

dispersion, e.g.	$v > v$
extinction angle, e.g.	$\gamma : c$
optic axial angle	$2V$
— — plane	O.A.P.
refractive index, in text	refr. ind.
— — of isotropic mineral	n
refractive indices	
of uniaxial mineral	ω , ϵ
of biaxial mineral	α , β , γ
sign of biaxiality	
negative	— or $2V_n$
positive	+ or $2V_y$

PHYSICAL (other)

calorie	cal.
calorie, large	kcal.
cycles per second	c/s
degree centigrade	$^{\circ}C$
density	D (quote units)
— , relative, e.g.	$D_{\frac{1}{2}}^{20}$
gramme	g
hardness	H.
melting-point	m.p.
micron (10^{-4} cm)	μ
millimicron (10^{-7} cm)	m μ
pounds per square inch	lb/in 2
soluble	sol.
specific gravity, terms of reference not known	sp. gr.
wavelength	λ

SYMBOLS

approximately equal to	\approx
equal to	$=$
equal to or greater than	\geq
equal to or less than	\leq
greater than	$>$
less than	$<$
not equal to	\neq
parallel to	\parallel
per cent.	%
per mille	‰
perpendicular to	\perp
proportional to	\propto

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